

5 **METHOD OF SMOOTH AUTOMATIC EXPOSURE OR GAIN CONTROL IN A MOS****IMAGE SENSOR**Abstract of the Disclosure

In a CMOS image sensor, it is important to control the exposure time or gain. For varying changes in ambient light, the exposure time of the array must be changed. The present 10 invention describes a method for controlling the exposure time or gain to ensure a smooth and fast change in the brightness of the obtained image. If the exposure time is be decremented or incremented, then the gain control is increased or decreased, respectively to smooth out the changes in image brightness. This substantially reduces image flicker.